

Listing of Claims:

1. (Currently Amended) A work transfer device for press machines, comprising:

a pair of bars ~~provided~~ fixed on a moving bolster in parallel with a work transfer direction;

5 a feed carrier held by each of the pair of ~~the~~ bars in a manner movable along the bars;

a feed drive mechanism ~~provided on the moving bolster, the feed drive mechanism~~ for driving the feed carrier along the bars in the work transfer direction;

10 a base ~~held by~~ provided on the feed carrier in a manner movable in a lift direction;

a lift drive mechanism ~~provided on the moving bolster, the lift drive mechanism~~ for driving the base in ~~[[a]]~~ the lift direction so that the base moves vertically; and

15 a work holder detachably attached to the base for holding a work.

2. (Currently Amended) The work transfer device for press machines according to claim 1, further comprising ~~[[:]]~~ a clamp drive mechanism ~~provided on the moving bolster, the clamp drive mechanism~~ for driving the base in a clamp direction ~~perpendicular horizontally orthogonal~~ to the work transfer direction.

3. (Original) The work transfer device for press machines according to claim 1, wherein at least one of the feed drive mechanism and the lift drive mechanism is provided with a linear motor.

4. (Original) The work transfer device for press machines according to claim 2, wherein the clamp drive mechanism is provided with a linear motor.

5. (Original) The work transfer device for press machines according to claim 1, wherein at least one of the feed drive mechanism and the lift drive mechanism is provided with a servomotor.

6. (Original) The work transfer device for press machines according to claim 2, wherein the clamp drive mechanism is provided with a servomotor.

Claims 7 and 8 (Cancelled).

9. (Original) The work transfer device for press machines according to claim 1, wherein a plurality of the work holders for plural working processes are detachably attached to the base.

10. (Currently Amended) The work transfer device for press machines according to claim 1, further comprising [[:]] a bar-interval adjusting device, provided on the moving bolster, for adjusting an interval between the pair of bars.

11. (Currently Amended) The work transfer device for press machines according to claim 1, wherein the feed carrier ~~can be moved~~ is movable to a position where the work holder is not projected from the moving bolster in a plan view of the press machine.

12. (Original) The work transfer device for press machines according to claim 2, wherein at least one of the feed drive mechanism and the lift drive mechanism is provided with a linear motor.

13. (Original) The work transfer device for press machines according to claim 2, wherein at least one of the feed drive mechanism and the lift drive mechanism is provided with a servomotor.

Claims 14 and 15 (Cancelled).

16. (Original) The work transfer device for press machines according to claim 2, wherein a plurality of the work holders for plural working processes are detachably attached to the base.

17. (Currently Amended) The work transfer device for press machines according to claim 2, further comprising [[:]] a bar-interval adjusting device, provided on the moving bolster, for adjusting an interval between the pair of bars.

18. (Currently Amended) The work transfer device for press machines according to claim 2, wherein the feed carrier ~~can be moved~~ is movable to a position where the work holder is not projected from the moving bolster in a plan view of the press machine.

19. (New) A work transfer device for press machines, comprising:

a pair of bars fixed on a moving bolster in parallel with a work transfer direction;

5 a plurality of feed carriers held by each of the pair of bars in a manner movable along the bars;

a feed drive mechanism for driving the plurality of feed carriers along the bars in the work transfer direction, the feed

drive mechanism controlling individual movement of each of the plurality of feed carriers;

a base provided on the feed carrier in a manner movable in a lift direction;

5 a lift drive mechanism for driving the base in the lift direction so that the base moves vertically; and

a work holder detachably attached to the base for holding a work.

20. (New) The work transfer device for press machines according to claim 19, further comprising a bar-interval adjusting device, provided on the moving bolster, for adjusting an interval between the pair of bars.

21. (New) A work transfer device for press machines, comprising:

a pair of bars fixed on a moving bolster in parallel with a work transfer direction;

5 a plurality of feed carriers held by each of the pair of bars in a manner movable along the bars;

a feed drive mechanism for driving the plurality of feed carriers along the bars in the work transfer direction;

10 a base provided on the feed carrier in a manner movable in a lift direction;

a lift drive mechanism for driving the base in the lift direction so that the base moves vertically; and

a work holder detachably attached to the base for holding a work.

22. (New) The work transfer device for press machines according to claim 21, further comprising a bar-interval adjusting device, provided on the moving bolster, for adjusting an interval between the pair of bars.

23. (New) A work transfer device for press machines, comprising:

a pair of bars fixed on a moving bolster in parallel with a work transfer direction;

5 a plurality of feed carriers held by each of the pair of bars in a manner movable along the bars;

a feed drive mechanism for driving the plurality of feed carriers along the bars in the work transfer direction, the feed drive mechanism controlling individual movement of each of the
10 plurality of feed carriers;

a base provided on the feed carrier in a manner movable in a lift direction and in a clamp direction horizontally orthogonal to the work transfer direction;

a lift drive mechanism for driving the base in the lift direction so that the base moves vertically;

a clamp drive mechanism for driving the base in the clamp direction; and

5 a work holder detachably attached to the base for holding a work.

24. (New) The work transfer device for press machines according to claim 23, further comprising a bar-interval adjusting device, provided on the moving bolster, for adjusting an interval between the pair of bars.

25. (New) A work transfer device for press machines, comprising:

a pair of bars fixed on a moving bolster in parallel with a work transfer direction;

5 a plurality of feed carriers held by each of the bars in a manner movable along the bars;

a feed drive mechanism for driving the plurality of feed carriers along the bars in the work transfer direction;

10 a connector for connecting adjacent ones of the plurality of feed carriers;

a base provided on the feed carrier in a manner movable in a lift direction and in a clamp direction horizontally orthogonal to the work transfer direction;

a lift drive mechanism for driving the base in the lift
5 direction so that the base moves vertically;

a clamp drive mechanism for driving the base in the clamp direction; and

a work holder detachably attached to the base for holding a work.

26. (New) The work transfer device for press machines according to claim 25, further comprising a bar-interval adjusting device, provided on the moving bolster, for adjusting an interval between the pair of bars.